



Lenco L-3809 Direct Drive Turntable with USB/PC Encoding User Manual

[Home](#) » [Lenco](#) » Lenco L-3809 Direct Drive Turntable with USB/PC Encoding User Manual 

Lenco

Model: L-3809 / L-3818



User manual – Direct drive turntable with USB recording

CAUTION:

Usage of controls or adjustments or performance of procedures other than those specified herein may result in

hazardous radiation exposure.

Contents

[1 PRECAUTIONS BEFORE USE](#)

[2 Deliver Content](#)

[3 Description](#)

[4 Turntable Assembly:](#)

[5 Set-up](#)

[6 Product Service:](#)

[7 Audacity software overview](#)

[8 Specification](#)

[9 Guarantee](#)

[10 Documents / Resources](#)

[11 Related Posts](#)

PRECAUTIONS BEFORE USE

KEEP THESE INSTRUCTIONS IN MIND:

1. Do not cover or block any ventilation openings. When placing the device on a shelf, leave 5 cm (2") free space around the whole device.
2. Install in accordance with the supplied user manual.
3. Keep the device away from heat sources such as radiators, heaters, stoves, candles, and other heat-generating products or naked flame. The device can only be used in moderate climates. Extremely cold or warm environments should be avoided. Working temperature between 0° and 35°C.
4. Avoid using the device near strong magnetic fields.
5. Electrostatic discharge can disturb the normal usage of this device. If so, simply reset and restart the device following the instruction manual. During file transmission, please handle with care and operate in a static-free environment.
6. Warning! Never insert an object into the product through the vents or openings. High voltage flows through the product and inserting an object can cause electric shock and/or short circuit internal parts. For the same reason, do not spill water or liquid on the product.
7. Do not use in wet or moist areas such as bathrooms, steamy kitchens, or near swimming pools.
8. The device shall not be exposed to dripping or splashing and make sure that no objects filled with liquids, such as vases, are placed on or near the apparatus.
9. Do not use this device when condensation may occur. When the unit is used in a warm wet room with damp, water droplets or condensation may occur inside the unit and the unit may not function properly; let the unit stand in power OFF for 1 or 2 hours before turning on the power: the unit should be dry before getting any power.
10. Although this device is manufactured with the utmost care and checked several times before leaving the factory, it is still possible that problems may occur, as with all electrical appliances. If you notice smoke, an excessive build-up of heat, or any other unexpected phenomena, you should disconnect the plug from the main power socket immediately.
11. This device must operate on a power source as specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company.

12. Keep away from animals. Some animals enjoy biting on power cords.
13. To clean the device, use a soft dry cloth. Do not use solvents or petrol-based fluids. To remove severe stains, you may use a damp cloth with diluted detergent.
14. The supplier is not responsible for damage or lost data caused by malfunction, misuse, modification of the device, or battery replacement.
15. Do not interrupt the connection when the device is formatting or transferring files. Otherwise, data may be corrupted or lost.
16. If the unit has a USB playback function, the USB memory stick should be plugged into the unit directly. Don't use a USB extension cable because it can cause interference resulting in failure of data.
17. The rating label has been marked on the bottom or back panel of the device.
18. This device is not intended for use by people (including children) with physical, sensory, or mental disabilities, or a lack of experience and knowledge unless they're under supervision or have received instructions about the correct use of the device by the person who is responsible for their safety.
19. This product is intended for non-professional use only and not for commercial or industrial use.
20. Make sure the unit is adjusted to a stable position. Damage caused by using this product in an unstable position vibrations or shocks or by failure to follow any other warning or precaution contained within this user manual will not be covered by warranty.
21. Never remove the casing of this device.
22. Never place this device on other electrical equipment.
23. Do not allow children access to plastic bags.
24. Only use attachments/accessories specified by the manufacturer.
25. Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as the power supply cord or the plug, when liquid has been spilled or objects have fallen into the device, when the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
26. Long exposure to loud sounds from personal music players may lead to temporary or permanent hearing loss.
27. If the product is delivered with a power cable or AC power adaptor:
 - If any trouble occurs, disconnect the AC power cord and refer servicing to qualified personnel.
 - Don't step on or pinch the power adaptor. Be very careful, particularly near the plugs and the cable's exit point. Do not place heavy items on the power adaptor, which may damage it. Keep the entire device out of children's reach! When playing with the power cable, they can seriously injure themselves.
 - Unplug this device during lightning storms or when unused for a long period.
 - The socket-outlet must be installed near the equipment and must be easily accessible.
 - Do not overload ac outlets or extension cords. Overloading can cause fire or electric shock.
 - Devices with class 1 construction should be connected to a main socket outlet with a protective earthed connection.
 - Devices with class 2 construction do not require an earthed connection.
 - Always hold the plug when pulling it out of the main supply socket. Do not pull the power cord. This can cause a short circuit.
 - Do not use a damaged power cord or plug or a loose outlet. Doing so may result in fire or electric shock.
28. If the product contains or is delivered with a remote control containing coin/cell batteries:

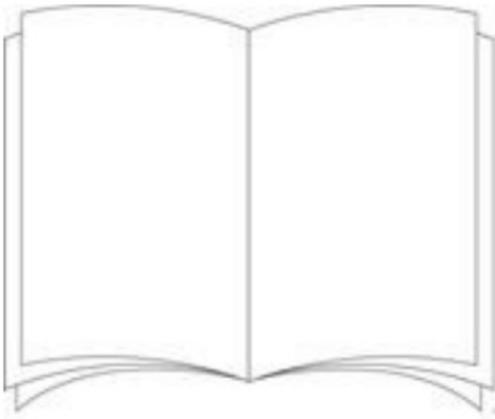
Warning:

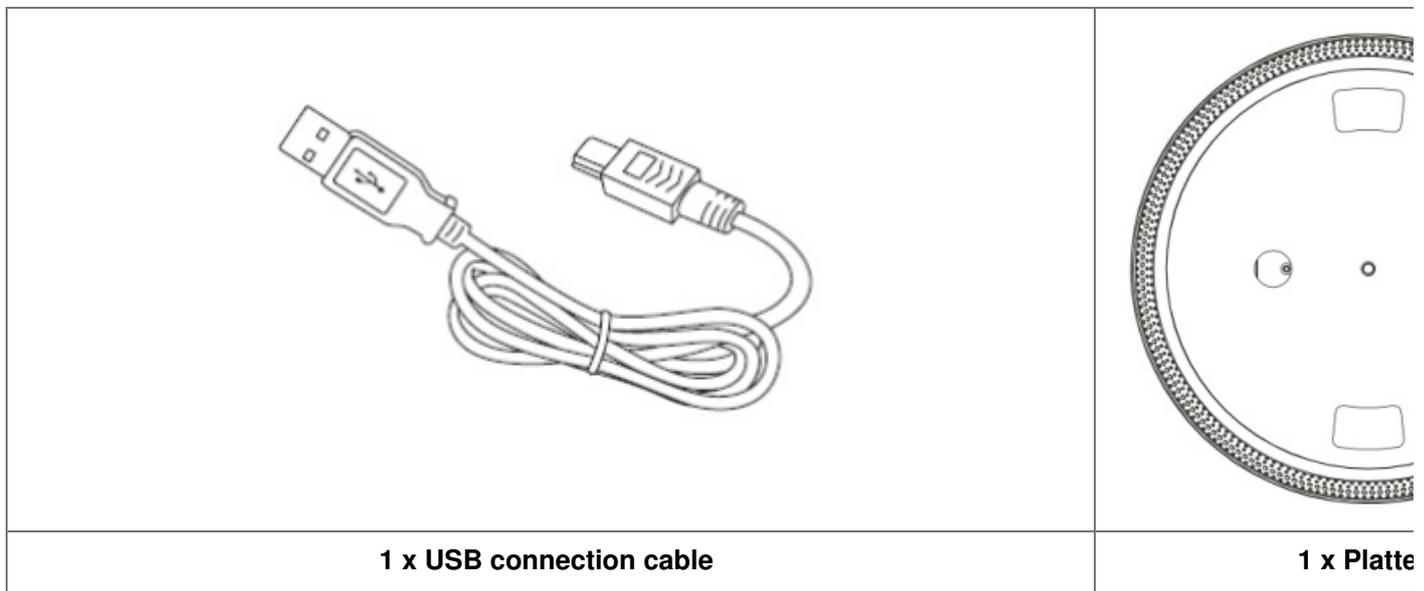
- “Do not ingest battery, Chemical Burn Hazard” or equivalent working.
- [The remote control supplied with] This product contains a coin/button cell battery. If the battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

29. Caution about the use of Batteries:

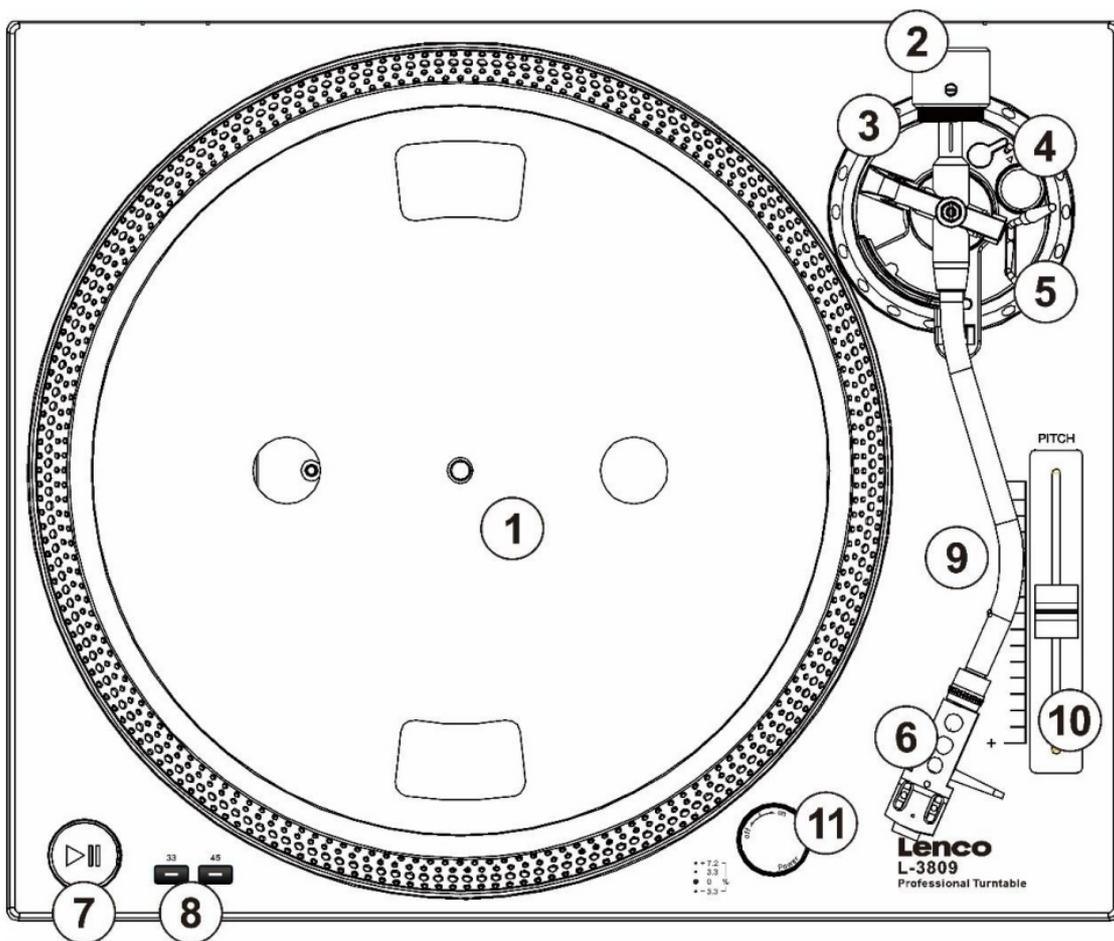
- The danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- The battery cannot be subjected to high or low extreme temperatures, low air pressure at high altitude during use, storage or transportation.
- Replacement of a battery with an incorrect type can result in an explosion or the leakage of flammable liquid or gas.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or that leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.
- Attention should be drawn to the environmental aspects of battery disposal.

Deliver Content

	
1 x Manual	1 x RCA audio cable



Description



1. TURNTABLE PLATTER

The platter is equipped with a felt mat. This makes it easier to manipulate the record for scratch performance. Place vinyl records centered on the turntable platter.

2. COUNTERWEIGHT

Adjustment creates the proper downward pressure of the stylus to the record. Attach now by sliding the counterweight onto the rear of the tone arm.

3. STYLUS PRESSURE ADJUSTMENT SCALE

Adjust stylus cartridge's pressure alignment.

4. ANTISKATING KNOB

This applies inward force to the tonearm so it doesn't skip outward across the record due to the centrifugal force of the record spinning.

5. TONEARM LIFTER

Control the up and down action of the tonearm.

6. HEADSHELL

Install cartridge here. During installation, attach the stylus protector to guard the stylus tip from damage.

Attach wires as follows:

White (L+)	Left channel +
Blue (L-)	Left channel -
Red (R+)	Right channel +
Green (R-)	Right channel -

7. PLAY/PAUSE BUTTON

Press this button to start playback or to resume playback after a pause.

8. 33/45 ROTATION SPEED SETTING BUTTON

Press these buttons to select the platter's rotation according to the speed indicated on the record for 33, 45 revolutions per minute.

9. Headshell locking nut

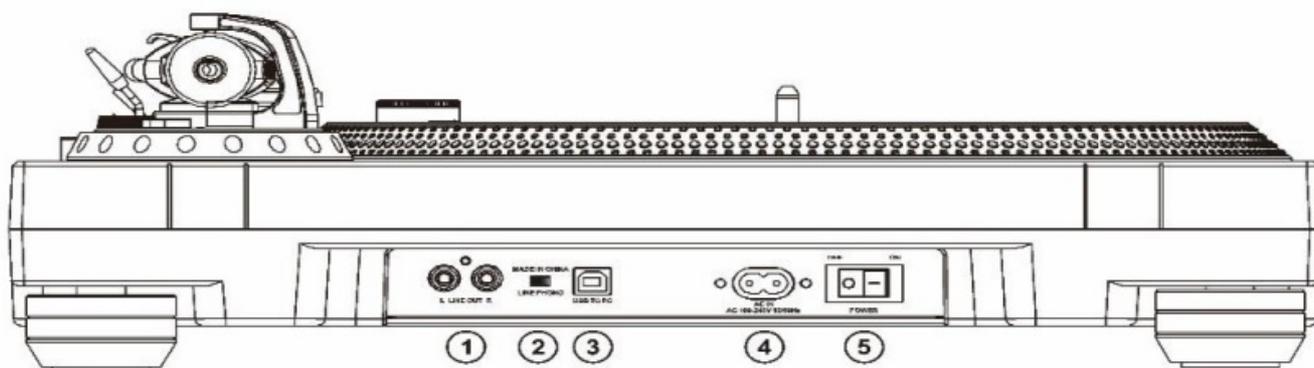
Attach the headshell by inserting it into the front end of the tonearm and then turn the locking nut clockwise.

10. Pitch fader

Used to change the playback speed of the playing trace.

11. Power switch / Stroboscopic light

Turn the switch clockwise to turn on the unit. Turn the switch counter-clockwise to turn off the unit. The stroboscopic light will automatically turn on when the unit is on.



1. RCA OUTPUT

OUTPUT L and R are used for connecting the turntable to the RCA analog input on your amplifier.

2. LINE/PHONO SWITCH

The turntable has a built-in PHONO pre-amplifier that is disengaged if you have an external pre-amplifier. If you want to use the signals amplified by the internal amplifier of the turntable, move the switch to LINE. If you

want to use an external PHONO preamplifier, move the switch to PHONO.



With the PRE-
Audio will be st
maged.

3. USB PORT

The sound of your vinyl record is converted to digital with a maximum resolution of 48KHz / 16bits. Use the USB cable that came with the device to connect the turntable to your computer. The Audacity software should be downloaded

4. AC IN

Plug the power cord here.

5. POWER ON/OFF

Use to turn the turntable on and off.

Turntable Assembly:

1. Removing from the carton:

Carefully remove the main unit with the packing material intact from the box. Remove the packing material once the unit has been removed from the shipping carton. Be sure to locate all the accessories located in the packing material.

2. 45rpm Adapter:

Locate and remove the 45-rpm adapter from the packing material and place it in the 45 adapter cutout on the top of the main unit.

3. Turntable Platter:

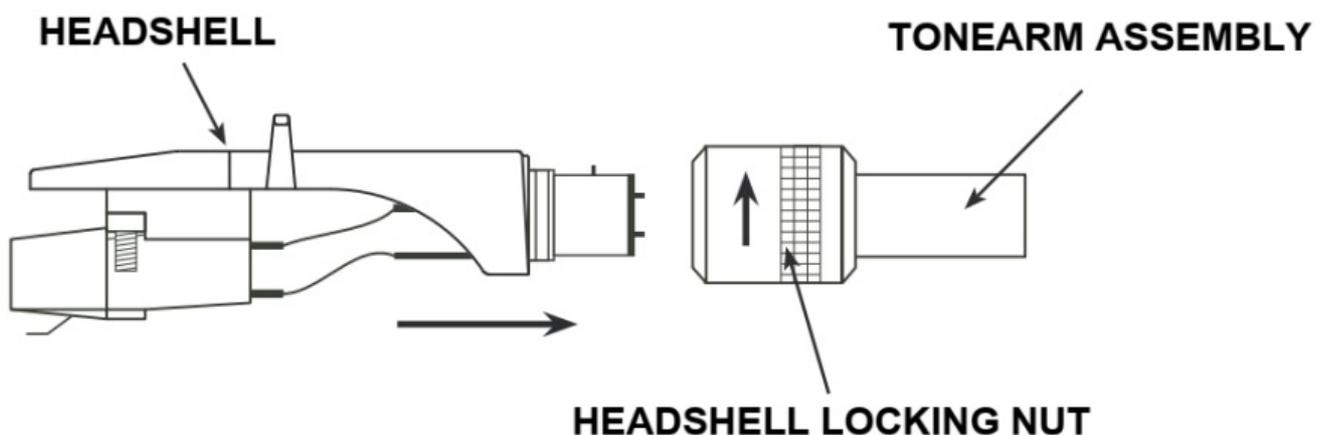
Remove the turntable platter from the packing material and gently place the platter onto the CENTER SPINDLE of the turntable base.

4. Feltman:

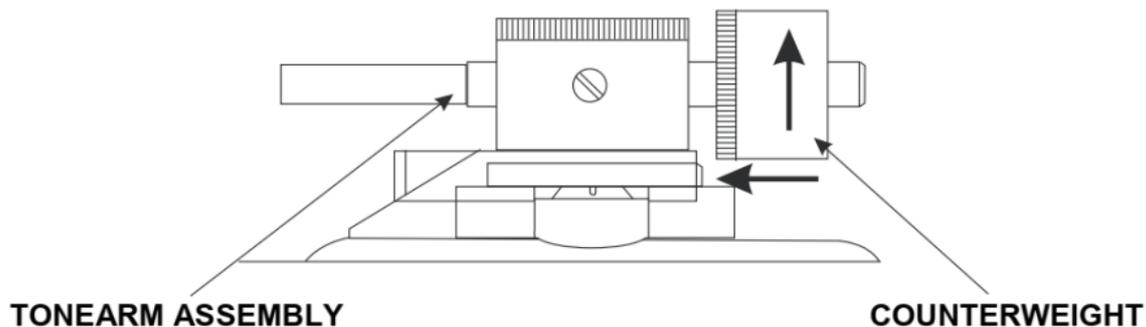
Remove the black felt from the packaging and place it on the PLATTER.

5. Headshell:

Insert the HEADSHELL into the front end of the TONEARM ASSEMBLY. While holding HEADSHELL firmly into the front end of the tonearm assembly, turn the HEADSHELL LOCKING NUT counter-clockwise to firmly secure the HEADSHELL to TONEARM ASSEMBLY.



6. Counterweight:



Locate and remove the tonearm COUNTERWEIGHT from the packaging. Slide COUNTERWEIGHT onto the rear of the TONEARM ASSEMBLY. Turn it lightly and it will screw onto the rear shaft of the tonearm.

Turntable Quick-Start:

1. Changing Platter Speed

Press the 33/45 ROTATION SPEED SETTING buttons to change the platter rotation speed.

2. Starting and Stopping the Platter

Use the PLAY/PAUSE BUTTON to switch back and forth between platter rotations and pause modes.

3. Pitch Control

- The pitch adjustment is a fine adjustment to the platter's RPMs.
- The pitch adjustment is variable and may be adjusted between -10% and +10% of the platter-selected speed.
- The pitch is changed by sliding the Pitch Slider in an up and down motion.
- The indicator dots on the rim of the TURNTABLE PLATTER can be used to visually approximate the platter pitch. These indicators are lit by the STROBOSCOPIC LIGHT as they pass by the POWER SWITCH. At different pitch levels, each row of STROBE INDICATORS may appear standstill.

Note: The use of heavy fluorescent lighting directly above the turntable will defeat the strobe LAMP PILOT LAMP affect indicator accuracy.

Set-up

Turntable Installation:

1. Do not place the unit in a location where it will be exposed to direct sunlight or near any type of heating appliance.
2. Do not place the unit in a location where there is high humidity or a lot of dust.
3. The cartridge may pick up slight sound pressure or vibrations of nearby speakers. For best results, do not install this unit too close to speakers.
4. Install this unit on a horizontal surface that is stable and vibration free.
5. The rubber feet have been specially designed to isolate the unit from excess vibration. The feet may also be used to stabilize the main body horizontally. Adjust the height of the unit by turning the feet in a clockwise or counter-clockwise direction.

Tonearm Balance and Stylus Pressure:

1. Adjustment of horizontal zero balance and stylus pressure:
2. Remove the stylus protective cover, if so equipped. Never touch the stylus tip during the adjustment.
3. Lower the TONEARM LEVER.
4. Release the tonearm clamp and release the tonearm from the armrest.
5. Set the ANTI-SKATE adjustment to zero.
6. Rotate the COUNTERWEIGHT in either direction until the TONEARM is perfectly balanced horizontally (floats freely).
7. Return the TONEARM to the armrest and lock it in place.
8. Hold the COUNTERWEIGHT stationary with one hand and rotate only the stylus-pressure ring (3) bring the number "0" of the ring into alignment with the centerline on the tonearm rear shaft.
9. Rotate the COUNTERWEIGHT counterclockwise until the scale value corresponds to the recommended stylus pressure.

Note: The recommended stylus pressure of the cartridge that is included with your unit is 2,5 to 3,5 grams. For all other cartridge systems please refer to the manufactures specification included with the cartridge.

Anti-Skate:

The anti-skate adjustment prevents the TONEARM ASSEMBLY from skipping across the record from the centrifugal force that is caused spinning rotation of the PLATTER. The ANTI-SKATING control knob should be set to the same value as the stylus pressure. For example, if your COUNTERWEIGHT is set to 2.5 grams the ANTI-SKATE value should also be set to 2.5.

Product Service:

1. Clean the stylus periodically with a soft brush to prevent the accumulation of dust.
2. When sound becomes distorted or noisy, check the stylus. If the stylus is worn out, replace it with a new one.
3. From time to time, the dust cover and turntable cabinet should be wiped down with a soft, dry cloth.
4. Volatile materials should not be used, such as alcohol, thinner, benzine, etc. They may remove the paint or damage the luster.

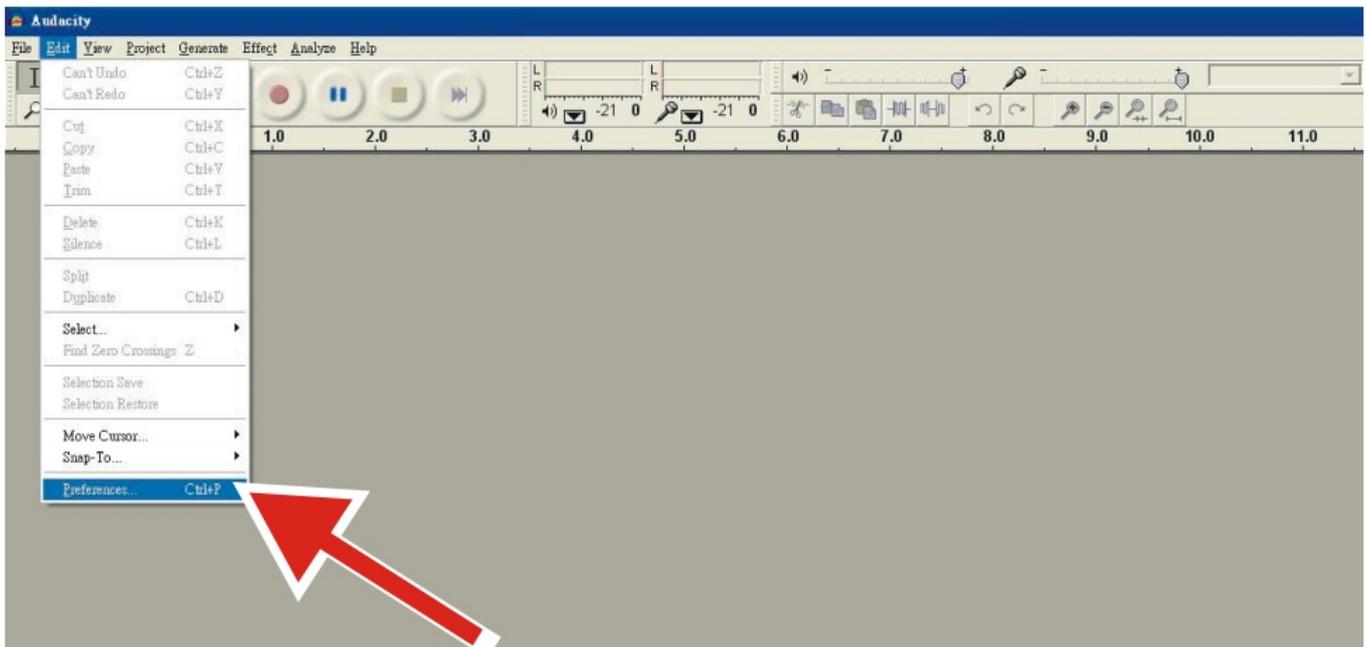
Audacity software overview

Audacity is free software, licensed under the GNU General Public License (GPL). More information, as well as open-source code, can be found on the web at <https://www.audacityteam.org/download/>

*** Please ensure you have installed the software before starting.**

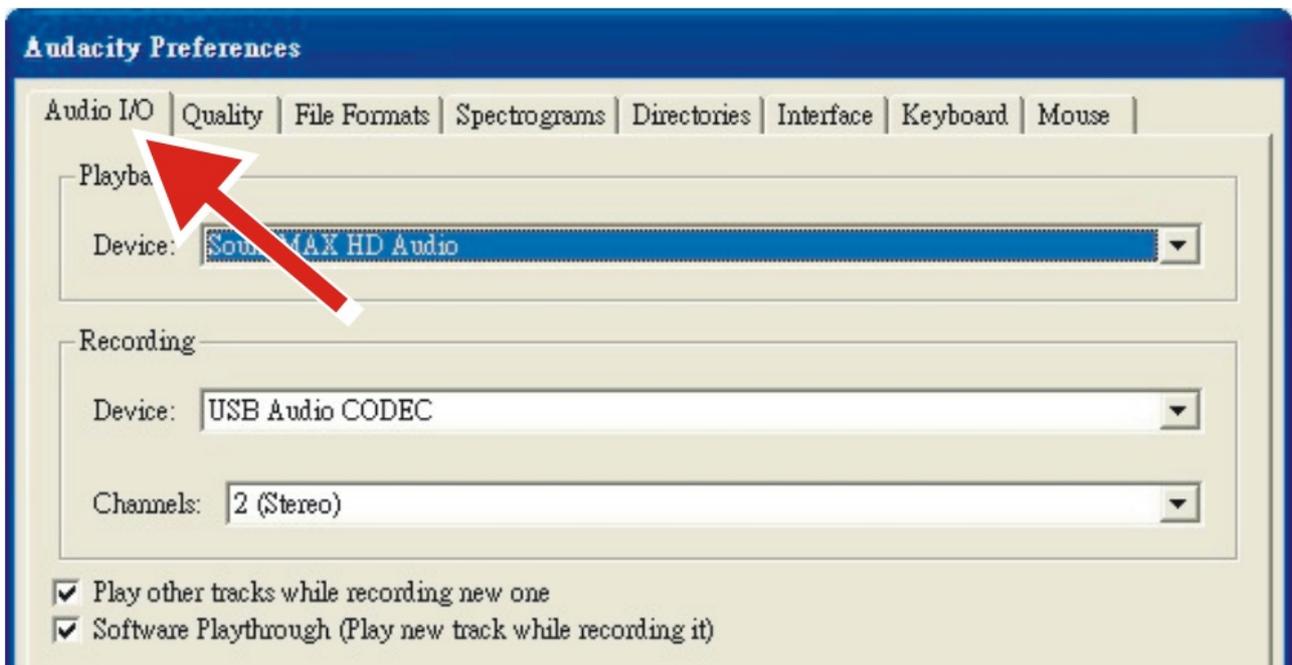
Setting up your PC to work with Audacity

1. Connect the provided USB cable to the turntable.
2. Connect the left USB plug of this USB cable to your pc.
3. Install the Audacity recording software.
4. Open the Audacity program.
5. Select Preference from the Edit tab in the Audacity Menu.



6. Select the **Audio I/O** tab at the top left.

- Under Playback, Device, select **your internal sound card**.
- Under Recording, Device, select **USB Audio CODEC**.
- Under Recording, Channels, select **2 (Stereo)**.
- Check the box marked **Play other tracks while recording a new one**.
- Check the box marked **Software Playthrough**.

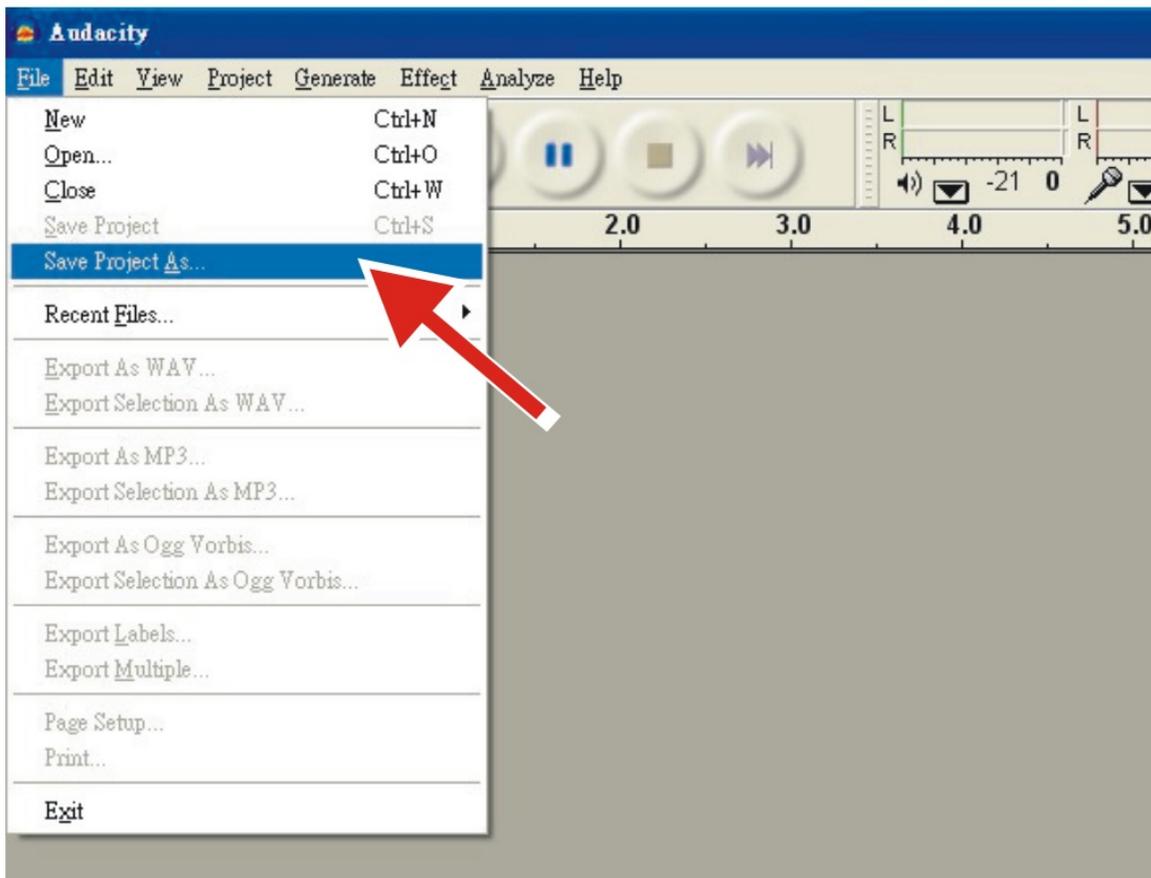


Recording Albums with Audacity

1. Saving a project

- Audacity writes all the changed and recorded audio to a directory called Projectname_data, which is located right where you saved the project file itself.
- Thus, select Save Project as from your Audacity File tab and choose a location and filename for your project.

- Please note that when you startup Audacity fresh, only the “Save As...” menu option is available.



2. How to record

- Set your USB turntable up to play the song or album you want to record.
- Click on the red Record button  to begin recording.
- Lower tonearm on USB turntable onto album and track you want to record.
- Click on the blue Pause button  to pause the recording. Press it again to continue.
- Click on the yellow Stop button  .

That's it. You can now play around with your recording and explore the editing capabilities of Audacity. Remember that you can use the Undo function almost without limits while the project is open.

NOTE: CDs cannot be burned directly from the Audacity application. Other CD-burning applications should be used.

Specification

General

Model:	L-3809 / L-3818
Dimensions:	430(W) x 350(D) x 155(H)mm
Weight:	6.18Kg
Power supply:	AC 230V~ 50Hz (Netherlands); AC 240V~ 50Hz(U.K.)
Power consumption:	30W
Standard test condition:	Ambient Temperature: 20 +/- 2 deg.C
Relative Humidity:	65% +/- 5%

NOTE: Measurements can be carried out between 5 deg.C to 35 deg.C and 45% to 85% relative humidity.

Turntable Section:

Type:	2-speed full manual
Motor:	16pole, 3phase,brushless
Driving Method:	Direct drive
Turntable Platter:	332mm (Aluminum)
Speeds:	331/3 and 45rpm
Wow and Flutter:	Less than 0.3% WRMS (JIS WTD) with 331/3 rpm
S/N Ratio:	More than 50dB (DIN-B)
Pitch Controls:	+/- 10%
Starting Torque:	More than 3.6 kgf.cm
Braking System:	Electronic brake
Starting Time:	Less than 1 sec.
Braking Time:	Less than 1 sec.
Time for Speed Change:	Less than 1 sec. from 331/3 to 45 rpm.
	Less than 1 sec. from 45 to 331/3 rpm.
USB Function:	USB rec. Function
	16BIT 44.1KHz or 48KHz
Computer interface:	USB 1.1 compliant 7/8/10 or MAC OSX

Tonearm section:

Type:	Static balanced S-shaped tonearm
Effective Arm Length:	220mm
Overhang:	10mm
Tracking Error Angle:	Less than 3 degree
Tracking Force Adjustment Range:	3-4g
Cartridge MM Type:	Audio Technica AT-3600L
Stylus pressure:	3±0.5g
Cartridge weight:	5±0.5g
Anti-skating Range:	0~4g
Channel Separation:	More than 18 dB
Channel Balance:	Within 2.5dB at 1KHz

Pre-Amplifier

Output:	150mV +/-4dB (IN: 2.5mV 1KHz)
RIAA (Frequency Response):	20Hz~20KHz +1/-3dB (IN: 1.5mV 1KHz)

Guarantee

Lenco offers service and warranty in accordance with European law, which means that in case of repairs (both during and after the warranty period) you should contact your local dealer.

Important note: It is not possible to send products that need repairs to Lenco directly.

Important note: If this unit is opened or accessed by a non-official service center in any way, the warranty expires. This device is not suitable for professional use. In case of professional use, all warranty obligations of the manufacturer will be voided.

Disclaimer

Updates to Firmware and/or hardware components are made regularly. Therefore some of the instructions, specifications, and pictures in this documentation may differ slightly from your particular situation. All items described in this guide are for illustration purposes only and may not apply to a particular situation. No legal rights or entitlements may be obtained from the description made in this manual.

Disposal of the Old Device



This symbol indicates that the relevant electrical product or battery should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product and battery, please dispose of them in accordance with any applicable local laws of the requirement for disposal of electrical equipment or batteries. In so doing, you will help to conserve natural resources and improve standards of environmental protection in the treatment and disposal of electrical waste (Waste Electrical and Electronic Equipment Directive).

CE Marking



Products with the CE marking comply with the EMC Directive (2014/30/EU) and the Low Voltage Directive (2014/35/EU) issued by the Commission of the European Community. Hereby, Lenco Benelux BV, Thermiekstraat 1a, 6361 HB Nuth, The Netherlands, declares that this product is in compliance with the essential requirements.

The declaration of conformity may be consulted at techdoc@lenco.com

Service

For more information and helpdesk support, please visit www.lenco.com

"Lenco Benelux BV, Thermiekstraat 1a, 6361 HB Nuth, The Netherlands.

Documents / Resources

	<p>Lenco L-3809 Direct Drive Turntable with USB/PC Encoding [pdf] User Manual L-3809, L-3818, Direct Drive Turntable with USB Encoding, Direct Drive Turntable with PC Encoding</p>
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